

BCSEA Project



Project funded
by the European Union

**Usage of MaKCs and status of the Pilot
Projects for CSN and VTMS**

2nd Steering Committee Meeting

Fabrizio Pirelli

Project Officer for Training and Cooperation

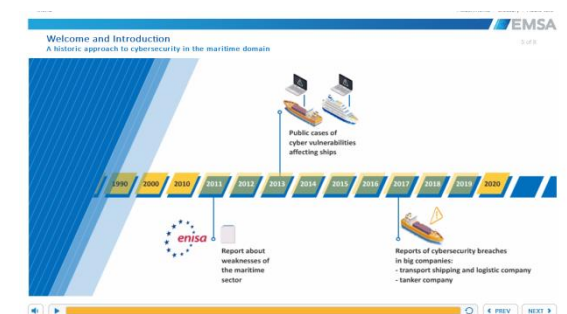
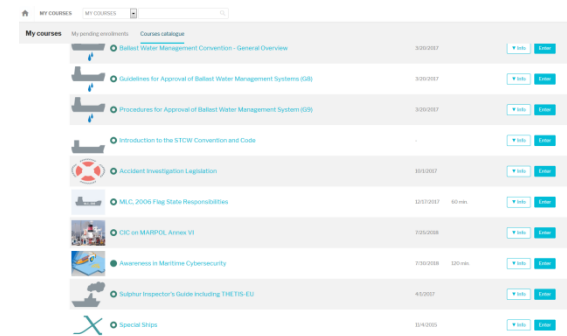
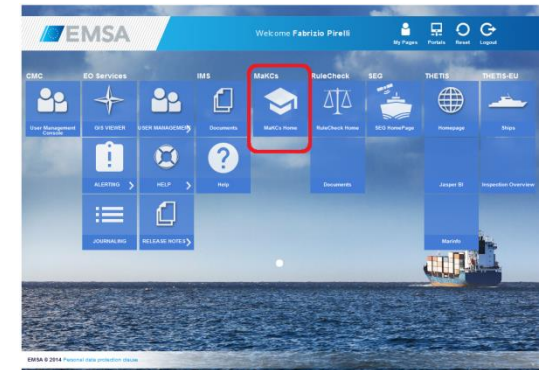
Unit B.3 “Environment and Capacity Building”

Batumi / 12 September 2017



- 1. Usage of MaKCs**
- 2. Status of the Pilot Projects on CSN**
- 3. Status of the Pilot Projects on VTMISS**

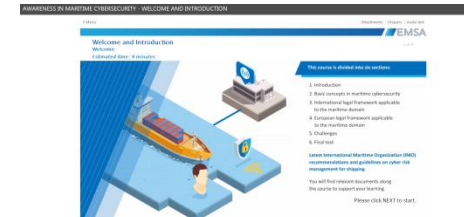
- **MaKCs is a web-based platform running the distance learning modules developed by EMSA on PSC procedures, international and European legislation**
- **Initially put in place to support a harmonized Professional Development Scheme for PSCOs in ParisMoU, currently is available for all ENP beneficiary countries and extended to all staff of maritime administration**



- **E-learning advantages: opportunities to attend courses at any time. No costs to the beneficiary countries**
- **E-learning modules made available to all staff members of each maritime administration**
- **Course supplements available, in response to new shipping needs and technologies**
- **New version of MaKCs developed, user friendly with more functions for national administrator**



- 33 courses available
- Latest courses developed:
 - ✓ Concentrated inspection campaign on safety of navigation
 - ✓ Concentrated Inspection campaign on MARPOL Annex VI
 - ✓ Awareness in Maritime Cybersecurity
- Next deployment:
 - ✓ Maritime English



MaKCs could be used more

Benefits

Enhance the qualification of the personnel

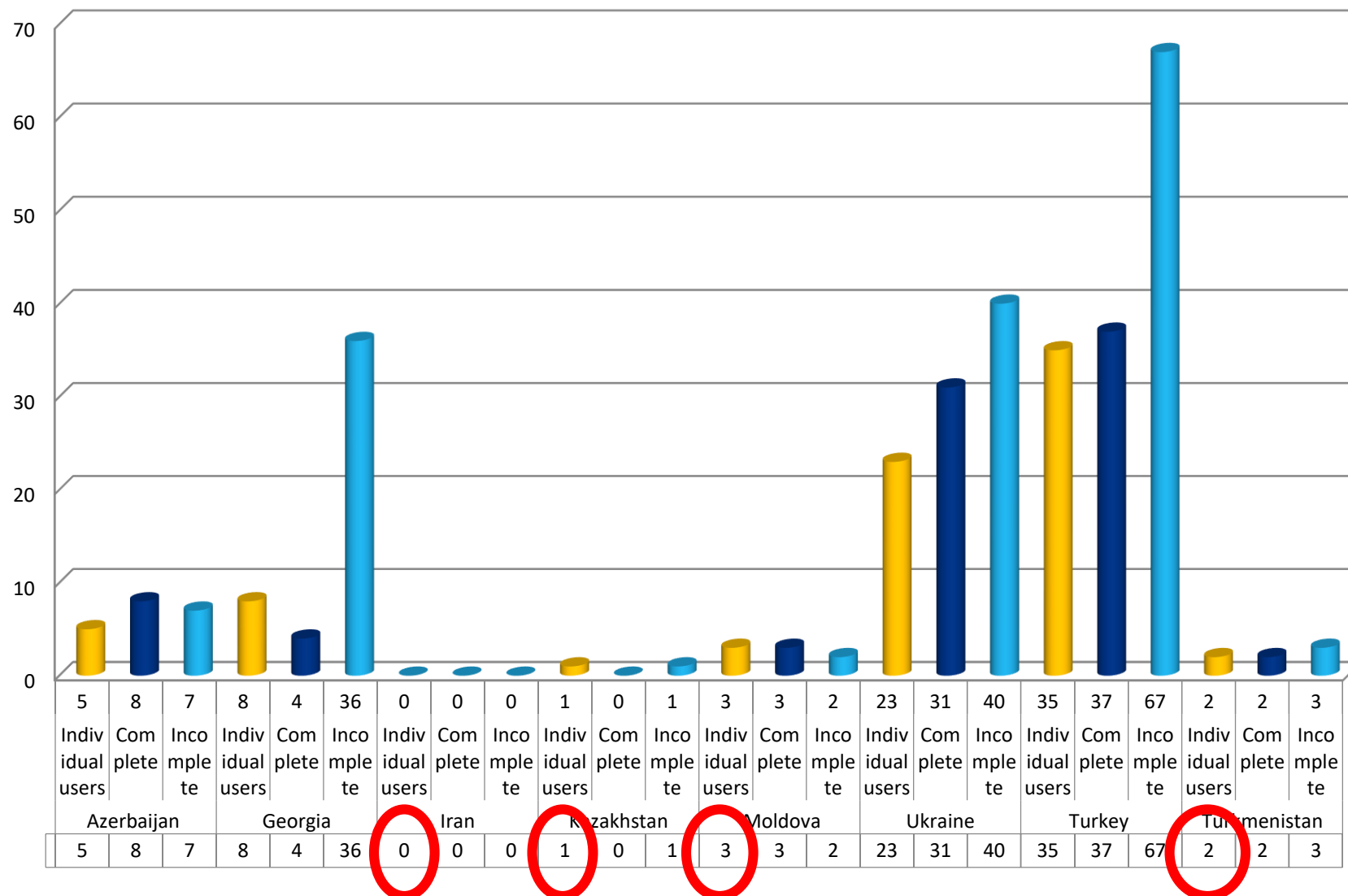


Tailor skills depending on needs of qualification: a specific PDS might be defined identifying a minimum number of courses that should be attended per year. Meet the programme of qualification requested by III Code



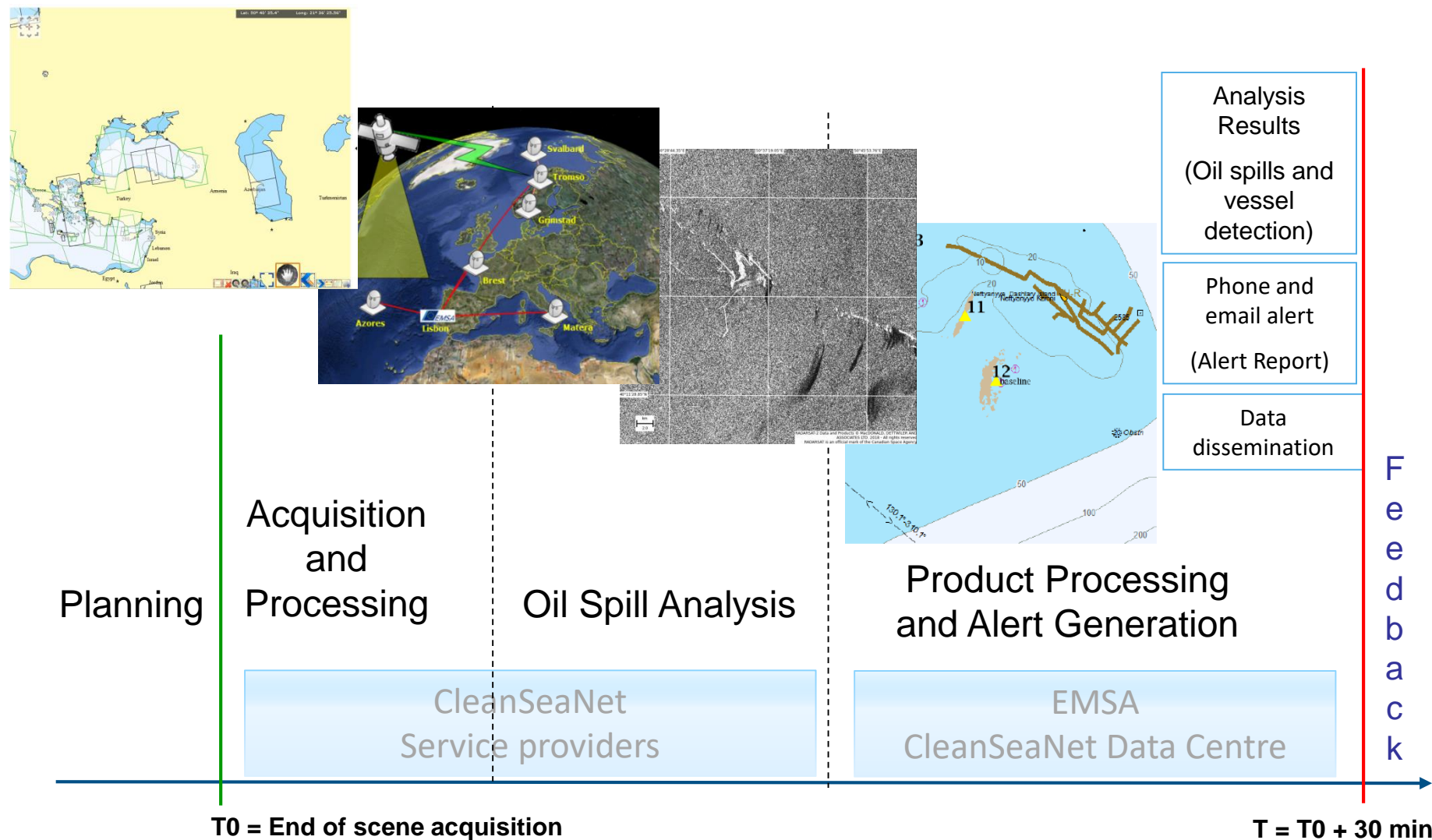
Without costs for the Administrations. Not attending courses available is a waste of energy and resources.

Users and courses completed



- **CSN service provides satellite earth observation images with oil spill detection, resulting from the analysis of the earth observation images done by the satellite providers**
- **The acquisition plan of the images is scheduled two months in advance.**
- **Service also provides Sat-Ais Information of the vessels sailing in that area**
- **Alert system is configured in three levels of danger:**
 - Green**
 - Yellow**
 - Red**

EMSA Provider of Maritime Services CleanSeaNet



EMSA Provider of Maritime Services

CleanSeaNet



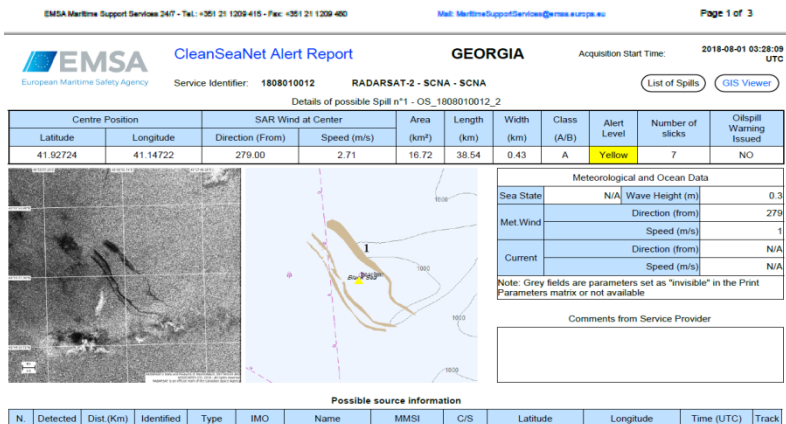
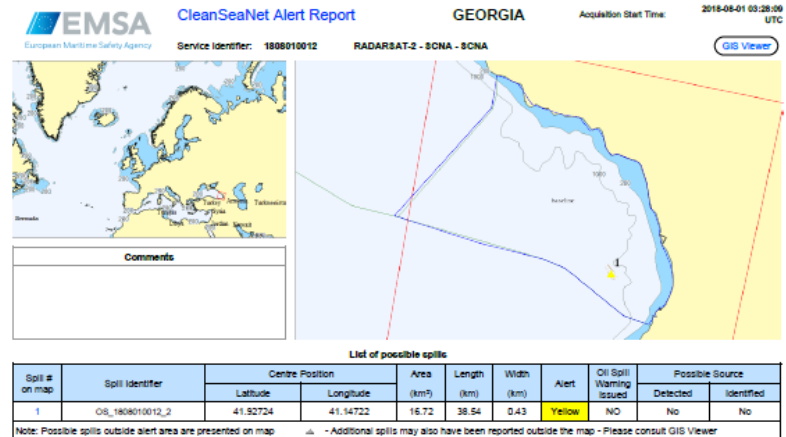
Email alerting service reports on Oil Spills detections near the coast of the Beneficiaries. Email is sent every time an image is acquired near the coast of the beneficiary.

- Two outcomes:

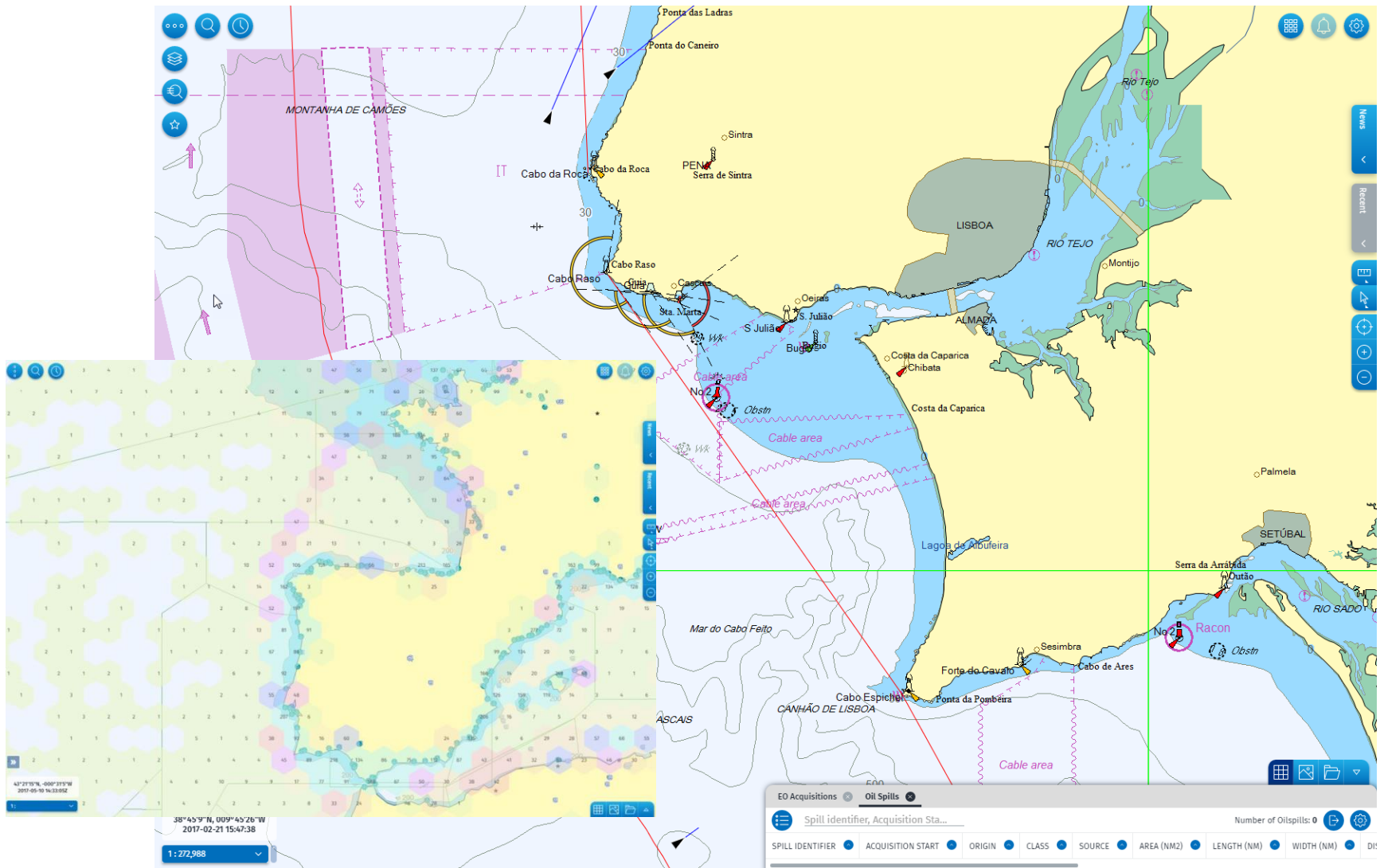
1. no oil spill was identified

2. oil spill was identified

- Coordinates – centre of oil spill
- Area, length, width of oil spill
- Alert level

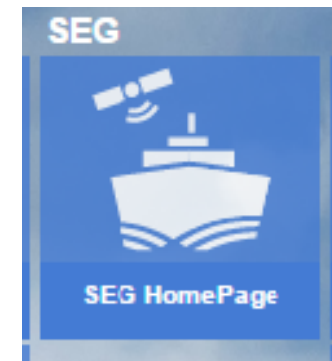


SEG – Map Centred



Access to SEG

- Access to SEG is provided via the EMSA Maritime Application Portal
- <https://portal.emsa.europa.eu>



Integration of Ship Position data (1/2)

Satellite-AIS data provision

- **Characteristics:**

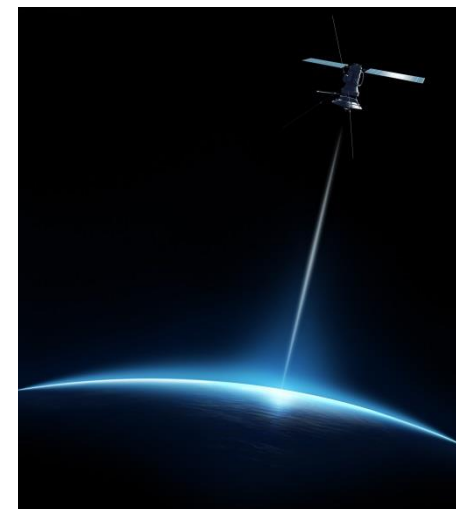
Satellite-AIS coverage of the entire Black and Caspian Seas

Satellite-AIS rate – 2m to 2/3 hours

Provided Free of Charge

- **EMSA Satellite AIS Providers**

LuxSpace Sarl – through a specific procurement for commercial providers



Integration of Ship Position data (2/2)

Terrestrial-AIS data provision from BCSEA Beneficiaries

- **Characteristics:**

BCSEA Beneficiaries set up a connection with the MARES server to send their national AIS data

MARES will forward the Terrestrial-AIS messages to SEG (EMSA) for integration with the other data

- **Access Rights:**

In the first phase, Terrestrial-AIS data from the BCSEA beneficiaries will not be shared with the EU Member States and vice-versa

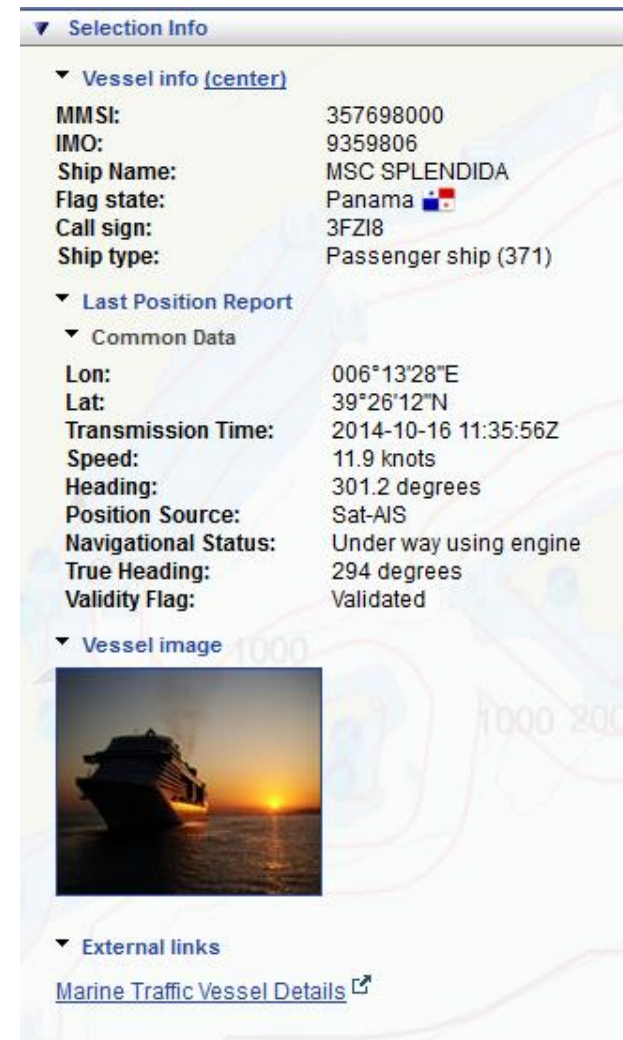
Data from the BCSEA Beneficiaries will only be used under the scope of the BCSEA Project



CleanSeaNet Service through SEG


Vessel Information database supports the identification of the possible polluters

- **Identifiers: IMO, MMSI, ShipName, FlagState, CallSign**
- **Position Information including speed and heading**
- **Easily available links to ship details from external sources like marinetraffic.com**



▼ Selection Info

▼ Vessel info [\(center\)](#)


MMSI:	357698000
IMO:	9359806
Ship Name:	MSC SPLENDIDA
Flag state:	Panama 
Call sign:	3FZI8
Ship type:	Passenger ship (371)

▼ Last Position Report


▼ Common Data

Lon:	006°13'28"E
Lat:	39°26'12"N
Transmission Time:	2014-10-16 11:35:56Z
Speed:	11.9 knots
Heading:	301.2 degrees
Position Source:	Sat-AIS
Navigational Status:	Under way using engine
True Heading:	294 degrees
Validity Flag:	Validated

▼ Vessel image



▼ External links

[Marine Traffic Vessel Details](#) 

- **Signatures from 2 beneficiary countries:**
 - ✓ **Azerbaijan**
 - ✓ **Georgia**
- **Number of images provided from December 2017:**
 - ✓ **116**
- **Number of images with spill alerts:**
 - ✓ **52**
- **Ship polluters individuated:**
 - ✓ **2**



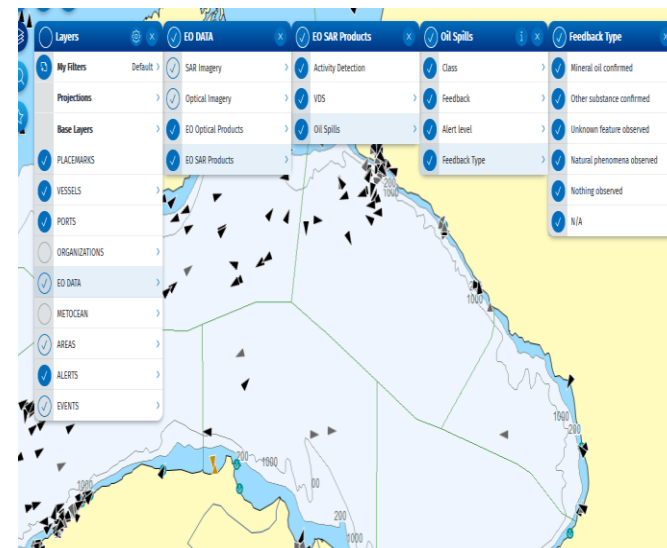
- Procedure for sending the feedback is described in Annex 2 of the CleanSeaNet Conditions of Use
- Feedback is important to monitor quality and improve service reliability
- In next months each user of BCs will be allowed to upload feedback directly in SEG

Feedback form

The feedback on the CSN alerts is important for monitoring quality and improving service reliability, therefore the Participating State will provide Feedback on the CSN alerts by use of the form below to be sent via e-mail at CSNfeedbackform@emsa.europa.eu

CleanSeaNet detection details							
Spill Identifier	See a)	Date/Time (UTC)	See a)	Latitude	See a)	Longitude	See a)
On-site verification				Not carried out ¹			
Observation							
Method	See b)	Date/Time (UTC)	See c)	Latitude	See d)	Longitude	See d)
Observation results							
Confirmed (Yes/No)	See e)	Category	See e)		Type	See e)	
Polluter Identification							
Identified (Yes/No)	See f)	IMO	See f)	Name	See f)	MMSI	See f)
See f)							

¹ If the on-site verification is not carried out and this box clicked, the feed-back form is completes as there is no need to provide additional information



Service Commissioning Plan for sharing T-AIS data

- First phase runs now, sharing info between the beneficiaries of each project
- Second phase consists of sharing between Beneficiaries and some selected EU MSSs based on bilateral agreements
- 3 Training on SEG will be provided
 - The first one already done in February 2018
 - Training at EMSA

Service
Commissioned



Experimentation
Phase



1st phase: sharing
between
Beneficiaries

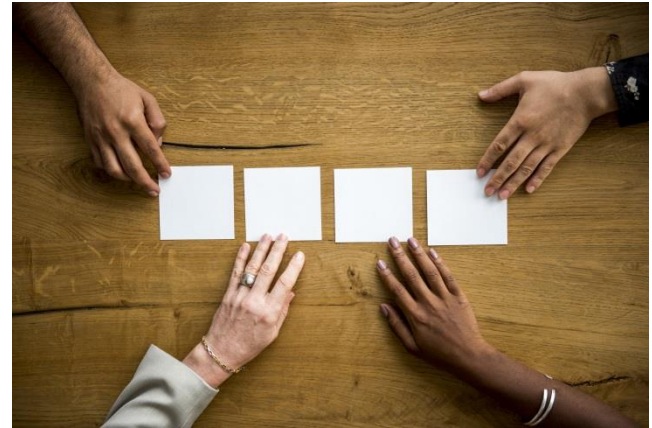


2nd phase: sharing
between
Beneficiaries and
selected EU MSs



Service Level Agreement was sent out by EMSA On 31st July 2017 :

- Until now Georgia and Ukraine have signed the SLA



EMSA/CP/01/2018

Tender for the Donation of shore-based Automatic Identification Systems (AIS) equipment to ENP Countries

- EMSA will donate up to 10 shore-based AIS stations and a maximum of 4 central nodes in total.
- Additional AIS Stations could be provided if more needs are identified
- Only signatory countries can apply





**Thank you for your
attention!
Any questions?**

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 **EMSA**
European Maritime Safety Agency